



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

16/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/May/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.321	1977.863	1) Gujrat	7.347	142.135
2) Hydro	15.519	190.896	2) Madhya Pradesh	21.551	337.131
3) Gas	13.300	200.556	3) Chattisgarh	9.030	136.880
Total MSGENCO	152.140	2369.315	4) Maharashtra Net	87.126	1374.999
B) 1) JSW JAIGAD	20.313	319.136	(Incl. 765kV Solapur-Raichur)	0.467	0.184
2) WPCL	2.847	43.627	5) Goa	-7.354	-112.141
3) ADANI	43.378	655.226	6) TAPS 1&2 Injection	7.401	118.326
4) Other CPP / IPP	25.612	345.048	7) RGPPL Injection	0.000	0.000
5) Wind Generation	11.325	192.078	8) Pench (Excess)	-0.410	-2.847
6) PENCH (MS)	0.410	2.847	# Total Cent. Sector	124.691	1994.483
7) SOLAR	1.075	16.360	F) Other Exchanges		
C) 1) TPCL Thermal	17.429	296.212	1) With TPCL (Excess)	-25.868	-417.292
2) TPCL Hydro	4.826	59.284	G) Bilateral Power *		
TOTAL TPCL	22.255	355.496	1) MSEDCL Bilateral	31.686	430.379
3) REL Thermal	12.186	194.051	Include PX	6.694	72.860
D) STATE			2) MUMBAI Bilateral	26.090	438.318
1) Thermal (A1+C1+C3)	152.936	2468.126	Include PX	2.687	50.342
2) Hydro (A2+B6+C2)	20.755	253.027	3) MUMBAI Schedule	26.090	438.318
3) Gas (A3)	13.300	200.556	H) ENERGY CATERED (MUs)		
4) Wind (B5)	11.325	192.078	1) MSEDCL	355.923	5520.828
5) CPP/IPP (B1+B2+B3+B4)	92.150	1363.037	2) TPCL	39.655	617.291
6) SOLAR (B7)	1.075	16.360	3) REL	20.654	349.534
TOTAL STATE	291.541	4493.184	TOTAL STATE	416.232	6487.653

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5151	5157	5322
MSGENCO Hydro	1578	1197	160
MSGENCO Gas	545	547	541
MSGENCO Total Generation	7274	6901	6023
Central Sector Receipt	6015	5807	4836
WIND	129	351	607
CPP / IPP	3944	3981	3623
SOLAR	166	90	0
Exchange with Mumbai	-1352	-1204	-912
MSEDCL DEMAND MET	16202	15926	14177
Load Shedding	587	549	106
MSEDCL DEMAND	16789	16475	14283
TPCL GENERATION	1231	1225	658
R-INFRA GENERATION	521	522	400
TPCL+R-INFRA DEMAND	3104	2951	1970
STATE DEMAND MET	19306	18877	16147
STATE DEMAND	19893	19426	16253
Frequency (Hz)	49.88	49.80	49.87

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 17.56 Hrs	49.49 Hz at 09.06 Hrs	49.88	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 16/May/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.56	54.73	156	135	150
Unit 7	4.02	52.89	191	151	165
Total	7.58	107.62			315
Bhusawal					
Unit 2	3.27	52.06	160	120	130
Unit 3	0.00	40.97	0	0	0
Unit 4	8.58	133.36	500	310	335
Unit 5	5.96	122.64	310	13	280
Total	17.81	349.01			745
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.92	60.16	169	158	160
Unit 6	4.71	74.45	250	184	180
Unit 7	4.77	49.66	250	184	185
Total	13.40	207.67			525
Chandrapur					
Unit 1	3.35	53.31	145	136	150
Unit 2	3.85	61.15	166	154	170
Unit 3	0.77	21.78	170	0	0
Unit 4	4.78	72.18	205	190	210
Unit 5	10.55	121.91	458	413	450
Unit 6	9.56	145.09	425	356	410
Unit 7	9.48	135.72	410	320	420
Total	42.34	611.14			1810
Paras					
Unit 3	3.69	59.86	230	0	210
Unit 4	5.51	71.60	249	200	240
Total	9.20	131.46			450
Khaparkheda					
Unit 1	3.20	59.81	155	130	190
Unit 2	3.20	53.97	150	120	185
Unit 3	3.23	51.77	152	117	210
Unit 4	2.62	56.70	148	0	210
Unit 5	7.67	139.98	490	257	500
Total	19.92	362.24			1295
Nasik					
Unit 3	4.32	69.56	190	175	190
Unit 4	4.34	68.49	192	175	190
Unit 5	4.41	70.68	194	172	190
Total	13.08	208.74			570
Uran					
All Units	13.30	200.56	592	504	560
Total	13.30	200.56			560
PENCH (MS)					
Pench (MS)	0.41	2.85	28	0	
Total	0.41	2.85			
Koyna					
Stage 1-2	3.98	45.20	435	40	600
Stage 4	3.62	48.01	544	0	250
Stage 3	1.86	21.72	240	0	320
Kovna 12&4 Total	7.60	93.22			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.47	114.94			1170
Hydro					
KDPH	0.29	4.47	13	12	18
VTRNA	1.46	19.10	61	60	61
TILLARI	0.52	6.86	65	0	60
BHTGR/VEER	0.04	0.86	2	1	2
BHIRA T.R.	0.32	3.68	40	0	40
RNGR+BHTSA	0.00	3.48	0	0	12
BHANDARDRA	0.36	9.15	15	14	12
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.72	9.94	37	27	8
GHATGHAR	2.34	15.46	250	0	0
Total	6.05	75.96			213
Wind					
MalharPeth	0.18	2.91			
Vankuswadi	0.35	7.21			
ATIT	0.04	0.72			
Kale	0.15	1.91			
Satara	3.06	62.73			
Shirala	0.25	3.42			
K Mahankal	0.02	0.44			
Supa	0.08	1.41			
Vita	0.56	15.09			
Dondaicha	4.95	69.79			
Sakri	0.58	8.99			
Nandurbar	0.45	6.67			
Khandke	0.16	2.72			
Khaparale	0.50	8.06			
Total	11.32	192.08			
CPP					
JSW JAIGAD	20.31	319.14	907	769	806
WARDHA	2.85	43.63	122	111	120
Adani	43.38	655.23	1823	1789	1851
Other CPPs	25.61	345.05			915
Total	92.15	1363.04			3692
SOLAR					
Total	1.08	16.36			
Total	1.08	16.36			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.92	167.92	454	317	500
Trombay 6	3.78	61.04	196	154	500
Trombay 7A	2.30	42.37	115	63	120
Trombay 7B	1.44	24.88	66	49	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.83	59.28	471	0	447
Total	22.26	355.50			1627
REL					
1&2	12.19	194.05	522	400	500
Total	12.19	194.05			500
Cent Sect					
Share					6096
Total					6096
MS PG CL	Thermal	123.32	1977.86		5710
	Thml+Gas	136.62	2178.42		6270
	Hydro	15.52	190.90		1383
	Total	152.14	2369.32		7653
State Total	291.54	4493.18			19568

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/May/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5449	165	528	6142	766	3698	0	5591	5678	-1036	-1139	15163	111	15274	2417	17691	49.91
2	5368	155	540	6063	698	3638	0	5505	5402	-973	-975	14838	106	14944	2221	17165	49.94
3	5340	155	540	6035	706	3575	0	5332	5278	-853	-914	14680	106	14786	2059	16845	49.95
4	5322	160	541	6023	607	3623	0	4755	4836	-891	-912	14177	106	14283	1970	16253	49.87
5	5265	160	522	5947	540	3649	0	4771	4976	-944	-870	14254	108	14362	1938	16300	49.83
6	5163	212	574	5949	437	3675	0	4876	5125	-985	-777	14437	218	14655	1955	16610	49.90
7	5149	172	574	5895	485	3731	4	4959	4801	-1030	-794	14148	532	14680	1953	16633	49.96
8	5179	589	540	6308	354	3777	29	4958	5102	-1036	-888	14708	543	15251	2086	17337	49.88
9	5157	792	504	6453	340	3752	57	5055	5386	-1104	-1086	14929	681	15610	2393	18003	49.73
10	5159	950	506	6615	315	3908	116	5821	5683	-1289	-1337	15327	484	15811	2760	18571	49.72
11	5238	1412	525	7175	184	4000	111	5795	5778	-1183	-1355	15920	494	16414	3039	19453	49.77
12	5151	1578	545	7274	129	3944	166	5912	6015	-1219	-1352	16202	587	16789	3104	19893	49.88
13	5412	1277	549	7238	171	4037	100	5532	5588	-1223	-1211	15933	754	16687	3015	19702	49.92
14	5393	1045	545	6983	202	3970	137	5378	5483	-1209	-1120	15655	756	16411	2873	19284	49.91
15	5371	1075	544	6990	273	3983	116	5550	5562	-1185	-1213	15711	614	16325	2956	19281	49.82
16	5157	1197	547	6901	351	3981	90	5766	5807	-1193	-1204	15926	549	16475	2951	19426	49.80
17	5029	1317	555	6901	508	3999	62	4986	5123	-1176	-1210	15396	517	15913	2931	18844	49.93
18	4778	697	592	6067	604	3886	24	4156	4184	-1041	-1221	13560	582	14142	2816	16958	50.04
19	4739	236	590	5565	685	3745	4	4158	4086	-953	-1057	13040	171	13211	2613	15824	50.00
20	4848	579	590	6017	779	3924	0	4564	4609	-1095	-1046	14309	247	14556	2586	17142	49.85
21	4918	491	592	6001	570	3949	0	4630	4929	-1181	-1127	14348	256	14604	2555	17159	49.83
22	4966	438	590	5994	558	3930	0	4636	4695	-1168	-1103	14100	189	14289	2443	16732	49.86
23	4916	201	583	5700	617	3929	0	5170	5101	-1098	-1050	14323	144	14467	2387	16854	49.82
24	4854	466	584	5904	446	3847	0	5237	5464	-1025	-907	14780	85	14865	2288	17153	49.92
MUs	123.32	15.52	13.30	152.14	11.32	92.15	1.02	123.09	124.69	-26.09	-25.87	355.86	8.94	364.80	60.31	425.11	49.88

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 16/May/2014

Position as on 6.30 Hrs of 17/May/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP IPL U-2	270	29/04/2014	09:34		Continued.	PA Fan problem	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Bhusawal Unit 3	210	14/05/2014	23.00	17/05/2014	04.15	ID Fan Problem.	
CPP VIPL U-1	300	15/05/2014	04:30	16/05/2014	03.24	Turbine supply valve drain leakage	
Chandrapur Unit 3	210	16/05/2014	04.53		Continued.	PA Fan Problem.	
Bhusawal Unit 5	500	16/05/2014	11.17	16/05/2014	12.41	Loss of Fuel	
Khaparkheda Unit 4	210	16/05/2014	13.08	16/05/2014	17.52	Furnace Pressure High	
Paras Unit 3	250	16/05/2014	17.00	17/05/2014	02.34	Local supply failure	
Parli Unit 6	250	17/05/2014	02.03		Continued.	ESP Turbine Fault	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/May/2014

Position as on 6.30 Hrs of 17/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	16/05/2014	09.18	17/05/2014	06.32	Premansoon Maint.by PGCIL,RFC at 17.26Hrs.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur-Mapusa-II	16/05/2014	16.50	17/05/2014	06.25	Hot spot, RFC at 18.04Hrs
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	15/05/2014	16.29	16/05/2014	07.00	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV GT-5Main Bay (410) at Deepnagar	13/05/2014	09.05		Continued.	Dismantling old 400KV main CB and erection and commissioning of new CB.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonand - Baramati	15/05/2014	07:07	16/05/2014	18.25	Bus Isolator Replacement.
Khaperkheda-Purti	16/05/2014	09.47	16/05/2014	16.24	Measurement of Tan Delta of CT
220/132KV 200MVA ICT-II at Kanhan	16/05/2014	10.34	16/05/2014	12.28	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad-Kolhapur-II	15/05/2014	16.51	16/05/2014	06.12	Over Voltage.
Karad-Jaigad I	15/05/2014	17.01	16/05/2014	06.14	Over Voltage.
Khadka - Aurangabad	15/05/2014	17.33	16/05/2014	06.46	Over Voltage.
Karad - Kolhapur - II	16/05/2014	16.55	17/05/2014	06.10	Over Voltage
Karad-Jaigad I	16/05/2014	17.05	17/05/2014	06.09	Over Voltage
Bhusawal- Aurangabad	16/05/2014	17.44	17/05/2014	06.28	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Usmanabad --Bale	12/05/2014	10.37		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	12/05/2014	14.28	16/05/2014	12.13	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	125
Unit 3	210	90
Unit 4	500	350
Unit 5	500	270
	1420	835
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	0
Unit 7	250	185
	1130	340
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	0
Unit 4	210	180
Unit 5	500	450
Unit 6	500	420
Unit 7	500	400
	2340	1760
Paras		
Unit 3	250	191
Unit 4	250	230
	500	421
Khaparkheda		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	140
Unit 4	210	150
Unit 5	500	400
	1340	980
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	600
	852	600
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	202
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	825
WARDHA	405	120
Adani	2640	1846
Other CPPs	300	915
	4545	3706
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5528
	3455	5528

	21940	18539
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